## Compact Disc Compact Player

**Operating Instructions** 

About area code

The area code of the player you purchased is shown on upper left of the bar

For accessories supplied with your player, check the area code of your model and refer to "Supplied accessories" toward the end of this manual.

D-E525

Sony Corporation ©1999 Printed in Malaysia

## Welcome!

Thank you for purchasing the Sony Compact Disc Compact Player. Before operating your player, please read this manual and retain it for future reference.

The model and the serial numbers are located at the bottom. Record the serial number in the space provided below. Refer to these whenever you call upon your Sony dealer regarding this

Serial No.

#### WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel

The use of optical instruments with this product will increase eye hazard.

## For the customers in the USA

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonal protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause narmful interference to radio comm However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver
- Consult the dealer or an experienced radio/TV

technician for help. You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this

## For the customers in Australia

The supply cord of the AC power adaptor cannot be replaced; if the cord is damaged, the AC power adaptor should be discarded.

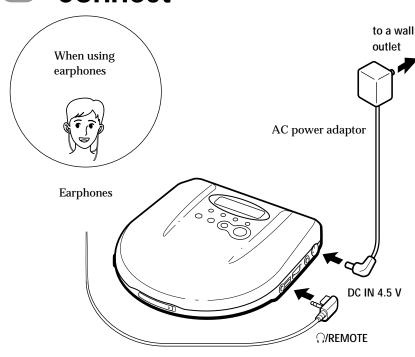
For the customers not in Europe

The CE mark on the unit is valid only for products most only for products marketed in the

# Playing a CD right away!

If you want to play a CD right now, choose to use your player on house current. Other choices are the following three: rechargeable batteries, dry batteries (see "Power Sources" on the reverse side) and car battery.

## **Connect**

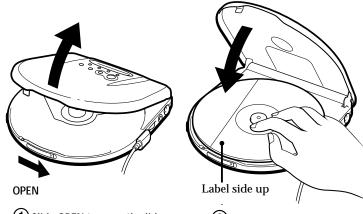


For models supplied with the AC plug adaptor

For models supplied with the remote control

- Connect the plug of the earphones to the remote control.
  Connect the earphones to the remote control firmly. A loose connection may cause noise

# Place a CD

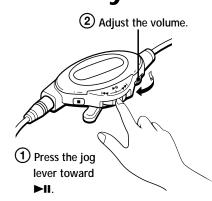


1 Slide OPEN to open the lid.

2 Fit the CD to the pivot.

(3) Close the lid.

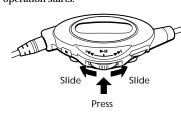
# Play



To stop play, press ■.



To use the remote control  $jog\ lever.$  When you press or slide the lever,



То	Do this	
Pause	Press the jog lev toward ►II.	
Resume play after pause	Press the jog lev toward ►II.	
Find the beginning	Slide the jog lever	
of the current track	toward I◀◀	
(AMS*)	once.**	
Find the beginning	Slide the jog lever	
of previous tracks	toward I◀◀	
(AMS)	repeatedly.**	
Find the beginning	Slide the jog lever	
of the next track	toward ►►I	
(AMS)	once.**	
Find the beginning	Slide the jog lever	
of succeeding	toward ►►I	
tracks (AMS)	repeatedly.**	
Go forward	Slide and hold th	
quickly	jog lever toward	
Go backwards quickly	Slide and hold th jog lever toward I◀ .**	

\*AMS = Automatic Music Sensor \*\*These operations are possible during both play and pause.

If you press RPT/ENT (REPEAT/ENTER on the player) to display " 🖚 ", you can locate the tracks continuously in the following order: When using ►►I: next track → next track

• When using  $\blacksquare$ : previous track  $\rightarrow$  previous

You can do the operations shown in the above on the player.

To remove the CD Remove the CD while



Notes on controlling the volume with the

Set the VOL (volume) control on the remote control to the maximum. Then adjust the volume on the player to the level that you want to be the maximum volume of the remote

#### Notes on display

- When you press ►II (when RESUME is set to OFF), the total number of tracks in the CD and the total playing time appear for about 2
- During play, the track number and the elapsed playing time of the current track
- appear.During pause, the elapsed playing time
- flashes in the display.

   Between tracks, the time to the beginning of the next track will appear with the "-

#### Notes on handling CDs

- To keep the CD clean, handle it by its edge. Do not touch the surface.
- Do not stick paper or tape onto the CD.
- Do not expose the CD to direct sunlight or heat sources such as hot air ducts. Do not leave the CD in a car parked under direct



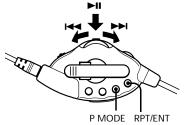


repeatedly until the play mode indication disappears from the display.

#### ► Other Operations

## Playing tracks repeatedly (Repeat Play)

You can play tracks repeatedly in normal, INTRO PGM, shuffle or RMS (Random Music Sensor) play modes. Repeat all the tracks or only one track



To repeat all the tracks Press RPT/ENT (REPEAT/ENTER on the player) during play.
The "

" indication appears.



To cancel repeat play, press RPT/ENT again.

To repeat a single track

1 Press RPT/ENT while the track you want to repeat is playing.
The "¬" indication appears.



2 Press P (play) MODE (PLAY MODE on the player) repeatedly until "1" appears.

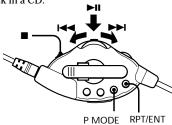


To repeat another track, slide the jog lever toward I◀◀ or ▶▶I

To cancel repeat play, press RPT/ENT again.

### Playing only the tracks you want (INTRO PGM Play)

You can choose and play your favorite tracks by scanning through the beginning of each  $% \left\{ 1\right\} =\left\{ 1\right\} \left\{ 1\right\} =\left\{ 1\right\} \left\{ 1\right\} \left\{$ track in a CD.



**1** During play, press P MODE repeatedly until "INTRO PGM" flashes.

**0** 1 00:05

**2** Press the jog lever toward ►II to start

The player plays about the first 15 seconds of each track and "INTRO PGM"

Press RPT/ENT while the track you want is playing. To skip the track, slide the jog lever toward ▶ or just wait for the next

After you have gone through the CD, "INTRO PGM" stops flashing and the tracks you have chosen play automatically

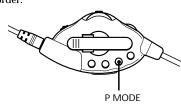
To finish programming before going through the whole CD, press the jog lever toward **>11**. The selected tracks will be played.

If you press . the program will be erased. RESUME switch at the rear of the player to

To cancel INTRO PGM play, press P MODE

#### Playing tracks in random order (Shuffle Play)

You can play the tracks in a CD in random



During play, press P MODE repeatedly until "SHUF" appears. The tracks play in random order.

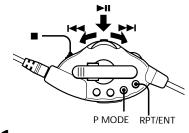


To cancel shuffle play, press P MODE repeatedly until the play mode indication disappears from the display

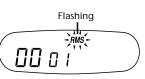
• During shuffle play, you cannot return to

#### Playing tracks in the order you want (RMS play)

You can program up to 22 tracks to play in any order you choose.  $\,$ 

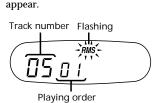


1 During play, press P MODE repeatedly until "RMS\*" flashes.



\*RMS = Random Music Sensor

 $\mathbf{2}$  Slide the jog lever toward  $\bowtie$  or  $\triangleright \triangleright$  to The track number and the playing order



**3** Press RPT/ENT to program the track.

4 Repeat steps 2 and 3 to program the

**5** Press the jog lever toward ►II. "RMS" stops flashing and the tracks you have chosen play in the order you specified.

If you press  $\blacksquare$ , the program will be erased. To prevent accidental erasure, set the RESUME switch at the rear of the player to ON.

To cancel RMS play, press P MODE until

## To check the program

During programming: Press RPT/ENT before step 5. During RMS play:

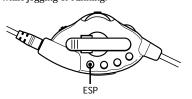
Press P MODE repeatedly until "RMS" flashes, then press RPT/ENT. Each time you press RPT/ENT, the track number and the playing order appear in the order you specified.

• If you program another track after the 22nd track, the first track programed is cleared and the new track is programed instead.

## **Using other functions**

To minimize skipping (ESP2) The ESP (Electronic Shock Protection) function minimize skipping by using a buffer memory that stores music data and plays it back in the event of a shock. The new ESP<sup>2</sup> (ESP Squared) system uses a new DSP (Digital Signal Processor) which can read and store music data more efficiently, providing a level of continuous skip protection not found in traditional buffer memory units. This decreases the frequency of sound skipping and the need to utilize the buffer memory. Use this function when

listening in a car or while walking.\* \* Although ESP<sup>2</sup> provides excellent protection against skipping, it will not prevent skipping



Press ESP The ESP indication appears.

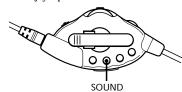


To release the ESP function, press ESP again.

- Playing may stop when the player gets a strong shock even with the ESP functio
- You may hear a noise or sound skip when: — listening to a dirty or scratched CD, — listening to an audio test CD or,
- the player receives continuous shock.
  Sound may drop for a while if you press ESP When you use an optical digital connecting

## cord, the ESP function will be disabled. To enjoy more powerful bass sound

(Sound function) You can enjoy a powerful bass-boosted sound.

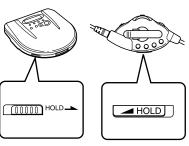


Press SOUND to select "MB (Mega Bass)" or

· If the sound is distorted when emphasizing

#### To lock the buttons You can lock your player against any accidental operations

You can still operate the player with the

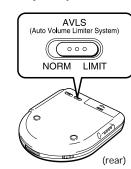


Slide HOLD in the direction of the arrow When you press any button, " $Hal\ d$ " appears in the display and you cannot operate the player

To unlock, slide HOLD back

Continue to the reverse side >

To protect your hearing (AVLS) The AVLS (Automatic Volume Limiter System) function keeps down the maximum volume to protect your ears.



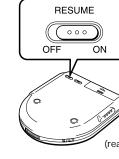
Set AVLS to LIMIT. The AVLS indication appears



• If you use the SOUND function and the AVLS function at the same time, sound may be distorted. If this happens, turn down the

#### To resume playing from the point you stopped the CD (Resume Play) Normally, every time you stop and play

playing starts from the beginning of the CD. The resume play function, however, lets you listen to from the point at which you last turned off the player.



Set RESUME to ON.

To cancel resume play, set RESUME to OFF.

### • Even if RESUME is set to ON, playing starts

- from the beginning when you open the lid.
- The resume point may be inaccurate by about 30 seconds

#### To turn off the beep

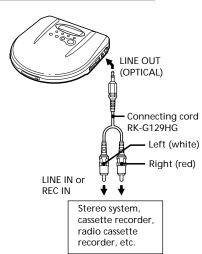
You can turn off the beep that sounds as you operate your player.

Disconnect the power source (AC power adaptor, rechargeable battery or alkaline batteries). While you press and hold down connect the power source again. To make the beep sound again, disconnect the power source, and then connect it without pressing

#### Connecting to other stereo equipment

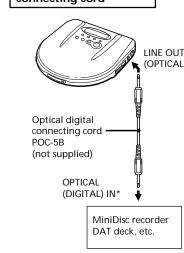
You can listen to the CD through other stereo equipment or record a CD on a cassette tape or a MiniDisc. Refer to the instruction manual of the other equipment for details. Before making connections, turn off each piece of equipment

### Using the connecting cord



#### When you use a connecting cord, the SOUND function will be disabled.

#### Using the optical digital connecting cord



\*If the OPTICAL (DIGITAL) IN tack is squareshaped, use the POC-5AB optical digital connecting cord instead.

#### Notes on connecting to other stereo equipment

- Before you play the CD, turn down the volume of the connected equipment so as not to damage the connected speakers.

  The beep sound is not output from the LINE
- OUT (OPTICAL) jack.
- When you connect other equipment to the LINE OUT (OPTICAL) jack of this player, adjust the volume on the connected equipment
- When you record a CD on a cassette tape using a tape recorder that has the blank search function, release the ESP function. If the ESP function is on, the blank search function does not work. • Use the AC power adaptor for recording. If
- you use the rechargeable batteries or dry batteries as a power source, batteries may become weak during recording

#### Recording with optical digital connection

Record a CD on a MiniDisc, DAT, etc., according to the following procedure.

1 Press ►II on the player to start play

- 2 Press ►II again to pause.
  3 Press I◄
  It to select the track you want to
- 4 Press (record) on the MiniDisc recorder,
- DAT recorder, etc. 5 Press ►II on the player to release pause

- $\bullet$  Connect the optical digital connecting  $\operatorname{cord}$ while the player is in stop mode.
- If you record without pausing the player, some CD may have problem with recording the first track number correctly.
- The SOUND function works on the output from the O/REMOTE jack, but does not work on that from the LINE OUT (OPTICAL) jack
- When use an optical digital connecting cord, the ESP function will be disabled.

### Playing a CD in a car

You can use your player in a car by connecting it to the car cassette deck

You cannot use the car mount plate for this

When you use the player in a car, install it securely in a location which does not interfere vour driving.

To connect your player to a car cassette deck, you need the following accessories:

- Car connecting pack CPA-9
- Car battery cord DCC-E245
- Car battery cord with car connecting pack DCC-E26CP

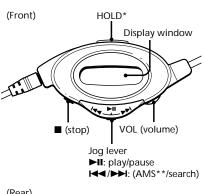
Refer to the instruction manual of each accessory for details.

- Do not put the player on the dashboard
- Do not leave the player in a car parked under
- Use a Sony car connecting pack for reducing • Use only the car battery cord listed in the
- optional accessories. If you use any other car pattery cord, smoke, fire or malfunction may

Switched ignition function (when using the car battery cord) With this feature, your player stops automatically when you turn off the engine of the car. (This function is not possible with some cars depending on the model).

#### Using the supplied remote control

You can use the remote control as the wired



P (play) MODE SOUND 600 You can turn and change the angle of the clip

- When you are not using the remote control, slide HOLD in the direction of the arrow to prevent any accidental operations. To unlock slide HOLD back
- Automatic Music Sensor
- \*\*\* Electronic Shock Protection

• Use only the supplied remote control. You cannot operate this player with the remote control supplied with other models

#### **▶**Power Sources

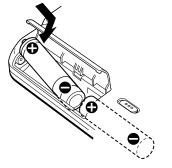
#### Using rechargeable batteries

Charge the rechargeable batteries before using them for the first time. Use the NC-DMAA (supplied) or NH-DM2AA (not supplied) rechargeable batteries for this player. You cannot use any other rechargeable batteries

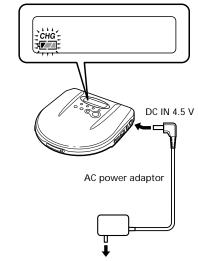
1 Open the lid of the battery compartment.



**2** Insert two rechargeable batteries by matching the ⊕ and ⊝ to the diagram inside the battery compartment and close



## **3** Connect the AC power adaptor.



The indication "CHG" lights up. Charge

(If the battery has been already charged,

for about 4 hours.

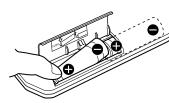
"CHG" and rag flash.

**4** When fully charged, "CHG" disappears. Disconnect the AC power adaptor.

to a wall outlet

## To take out the rechargeable

Take out the batteries in the proper way as illustrated inside the lid or shown below



#### When to charge the rechargeable batteries

When the rechargeable batteries become weak, a indication appears in the display. If the "Lo batt" appears in the display, charge the rechargeable batteries, because the

batteries are used up.

To keep the original battery capacity for a long time, recharge the batteries when the batteries are used up (discharged).

#### When carrying the rechargeable batteries

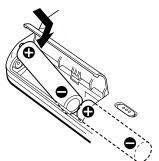
Make sure to use the battery carrying case (supplied with the rechargeable batteries). If you carry the rechargeable batteries with a metal object, short circuit, smoke or fire may

- Charging time varies depending on how the rechargeable battery is used.
- If the battery is new or has not been used for a long time, it may not be charged completely until you charge and discharge it several times
- · If the battery life becomes shorter by about half, replace it with Sony NH-DM2AA/NC-DMAA rechargeable battery. Do not use any other rechargeable battery

## **Using dry batteries**

Insert the batteries properly in the same way

- 1 Disconnect the AC power adaptor and open the lid of the battery compartment.
- **2** Insert two LR6 (size AA) alkaline batteries by matching the  $\oplus$  and  $\ominus$  to the diagram inside the battery compartment and close the lid.



· Do not use manganese batteries for this player

To take out the dry batteries Take out the batteries properly in the same way as the rechargeable batteries.

## When to replace the dry batteries

When the battery becomes weak, indication appears in the display. If the batteries are used up, "Lo batt" appears in the display. Replace all the batteries with new

#### Notes

- Do not charge the dry batteries.
- Do not mix new batteries with old ones.
  Do not use different types of batteries together • When the batteries are not to be used for a long
- time, remove them. • If the battery leakage occurs, wipe off any deposit in the battery compartment, and install new batteries

Battery life (approx. hours) (EIAJ\*) Battery life varies depending on how the player is used.

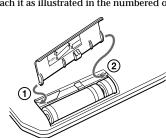
When using	ESP function off on		
Two NH-DM2AA (charged for about 4 hours**)	12	11	
Two NC-DMAA (charged for about 4 hours**)	7	6	
Two Sony alkaline batteries LR6SG	20	18	

Measured value by the standard of EIAJ (Electronic Industries Association of Japan) (When you use the player on a flat and stable place; When you do not use the optical digital connecting cord) \*\*Charging time varies depending on how the

rechargeable battery is used

#### How to attach the battery compartment lid

If the battery compartment lid is detached by an accidental drop, excessive force, etc., attach it as illustrated in the numbered order



## ► Additional Information

#### **Precautions**

## On safety

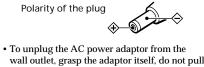
- Should any solid objects or liquid fall into the player, unplug it and have it checked by qualified personnel before operating it any
- Do not put any foreign objects in the DC IN
   4.5 V (external power input) jack.

#### On power sources

• When you are not using the player for a long time, disconnect all power sources from the

#### On the AC power adaptor

• Use only the supplied AC power adaptor. If your player is not supplied with it, use AC-E45HG AC power adaptor. Do not use any other AC power adaptor.

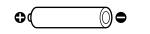


On dry and rechargeable batteries This player is designed so that it cannot charge any other rechargeable batteries or dry batteries

Rechargeable batteries NC-DMAA (supplied)/ NH-DM2AA (not supplied)



Other rechargeable batteries or dry batteries



When you replace the rechargeable batteries with new ones, make sure to use the NH-DM2AA/ NC-DMAA rechargeable batteries.

- Do not throw the batteries into fire.
- Do not carry the batteries with coins or other metallic objects. It can generate heat if the positive and negative terminals of the battery are accidentally contacted by a metallic object.
- Do not mix rechargeable batteries with dry

- On the player
   Keep the lens on the player clean and do not touch it. If you do so, the lens may be damaged and the player will not operate
- properly.

   Do not put any heavy object on top of the player. The player and the CD may be
- Do not leave the player in a location near heat sources, or in a place subject to direct sunlight, excessive dust or sand, moisture, rain, mechanical shock, unleveled surface, or in a car with its windows closed.
- If the player causes interference to the radio or television reception, turn off the player or move it away from the radio or television Do not wrap the player in a cloth or blanket
- during use as it may cause malfunction or

#### On headphones/earphones Road safety

Do not use headphones/earphones while driving, cycling, or operating any motorized vehicle. It may create a traffic hazard and is illegal in some areas. It can also be potentially dangerous to play your headsets at high volume while walking, especially at pedestrian crossings. You should exercise extreme caution or discontinue use in potentially hazardous

## Preventing hearing damage

Avoid using headphones/earphones at high volume. Hearing experts advise against continuous, loud and extended play. If you experience a ringing in your ears, reduce volume

#### Caring for others

Keep the volume at a moderate level. This will allow you to hear outside sounds and to be considerate to the people around you.

Certain countries may regulate disposal of the battery used to power this product. Please consult with your local authority.

#### For the customers in the U.S.A. and Canada RECYCLING NICKEL-CADMIUM

This mark is available in the USA and Canada only Nickel-Cadmium batteries are 671.65° recyclable. You can help preserve our environment by returning your unwanted batteries to your nearest point for collection, recycling or proper disposal. Note: In some areas the disposal of nickel-

cadmium batteries in household or business trash may be prohibited. RBRC (Rechargeable Battery Recycling

Corporation) advises you about spent battery

collection by the following phone number Call toll free number: 1-800-822-8837 (United States and Canada only)

Caution: Do not handle damaged or leaking nickel-cadmium batteries.

#### Maintenance

#### To clean the casing

Use a soft cloth slightly moistened in water or a mild detergent solution. Do not use alcohol benzine or thinner.

#### **Troubleshooting**

Should any problem persist after you have made these checks, consult your nearest Sony dealer.

#### The CD does not play or "no dl 50" appears in the display though a CD is placed in the player.

- → The CD is dirty or defective
- Insert the CD with the label side up. → Moisture condensation has occurred Leave the player aside for several hours until the moisture evaporates

the display for a moment, and

No sound, or noise is heard.

→ Connect the plugs firmly

soft cloth periodically

Optional accessories

when you press a button.

you press a button.

with new ones.

batteries.

NORM.

REMOTE jack.

The battery life is short.

disappears. The CD does not play.

→ Rechargeable battery or dry batteries are used up. Charge the rechargeable battery

or replace dry batteries with new ones

→ Plugs are dirty. Clean the plugs with a dry

"HI dc In" appears in the display.

→ Use only the supplied AC power adaptor or AC power adaptor AC-E45HG (not

→ Use only the car battery cord listed in the

"Hal d" appears in the display when

"Lo b∂tt" appears in the display

→ The rechargeable batteries are used up

completely. Connect the AC power

→ The dry batteries are use up. Replace them

→ Manganese batteries are used. Use alkaline

adaptor and charge the batteries.

→ Replace the batteries with new ones

The volume is limited to a certain

level even if you attempt to turn it

→ AVLS selector is set to LIMIT. Set it to

During recording with optical

cannot be recorded correctly.

Compact disc digital audio system

stereo equipment."

**Specifications** 

**CD** player section

Laser diode properties Material: GaAlAs

Solomon Code

Frequency response

D-A conversion

Wavelength:  $\lambda = 780 \text{ nm}$ 

Emission duration: Continuous

1-bit quartz time-axis control

Laser output: Less than 44.6  $\mu W$  (This output

is the value measured at a distance of 200 mm from the objective lens surface on the optical pick-up block with 7 mm aperture.)

Sony Super Strategy Cross Interleave Reed

20 - 20,000 Hz +1 dB (measured by EIAJ CP-

→ The earphones are connected to the LINE OUT jack. Connect them to the ∩/

digital connection, the track number

→ Record the track number again using the MiniDisc recorder, DAT recorder, etc.

→ Record again according to the procedure

shown in the section "Connecting to other

The buttons are locked. Slide HOLD back

- → The lens is dirty.
  → Close the lid of the player and the battery
- compartment firmly.

  → Make sure the batteries are inserted
- HK2 model: 220 V. 50/60 Hz CN2/AR1 model: 220 V, 50 Hz → Connect the AC power adaptor to a wall

## When you press ►II, "00" appears in

and controls)

Approx. 200 g (7.0 oz) Operating temperature

check the upper left side of the bar code on the

AC power adaptor (1) Rechargeable batteries (2) Battery carrying case (1)

### For US customers

AC power adaptor supplied is not intended to be serviced. Should the AC power adaptor cease to function in its intended manner, during the warranty period, the adaptor should be returned to your nearest Sony Service Center or Sony Authorized Repair Center for replacement, or

Car connecting pack CPA-9 Car battery cord DCC-E245 Active speaker system SRS-A21

Connecting cord RK-G129HG

Stereo headphones MDR-E848LP\* For the customers supplied with the headphones with remote control: When connecting optional headphones to



listed accessories. Please ask the dealer for detailed information about the accessories in vour country.

#### Output (at 4.5 V input level) Headphones (stereo minijack)

15 mW + 15 mW at 16 ohms Line output (stereo minijack) Output level 0.7 V rms at 47 kilohms Recommended load impedance over 10

Optical digital output (optical output connector) Output level: -21 - -15 dBm Wavelength: 630 - 690 nm at peak level

#### General

Power requirements For the area code of the model you purchased,

check the upper left side of the bar code on the package.
• Two Sony NH-DM2AA rechargeable batteries: 2.4 V DC Two Sony NC-DMAA rechargeable

- batteries: 2.4 V DC • Two LR6 (size AA) batteries: 3 V DC AC power adaptor (DC IN 4.5 V iack): U2/CA2/E92 model: 120 V, 60 Hz
- CED/CEX/CET/EE1/E13 model: 220 - 230 V, 50/60 Hz CEK model: 230 - 240 V, 50 Hz EA3 model: 110 - 240 V, 50/60 Hz AU2 model: 240 V. 50 Hz JE.W/E33 model: 100 - 240 V, 50/60 Hz
- Sony DCC-E245 car battery cord for use on car battery: 4.5 V DC

  Dimensions (w/h/d) (without projecting parts

Approx. 131.8 × 23.9 × 142.0 mm (5  $\frac{1}{4} \times \frac{31}{32} \times 5 \frac{5}{8}$  in.) Mass (without rechargeable batteries)

### 5°C - 35°C (41°F - 95°F)

Supplied accessories For the area code of the model you purchased. package.

Earphones with remote control (1) AC plug adaptor (1) Carrying case (1)

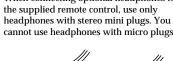
Design and specifications are subject to change

after warranty period, it should be discarded

#### Optional accessories

Car battery cord with car connecting pack DCC-E26CP Rechargeable battery NH-DM2AA, NC-DMAA (2P)

Optical digital connecting cord POC-5B, POC-10B, POC-15B, POC-5AB, POC-10AB, POC-15AB AC power adaptor AC-E45HG





Your dealer may not handle some of the above